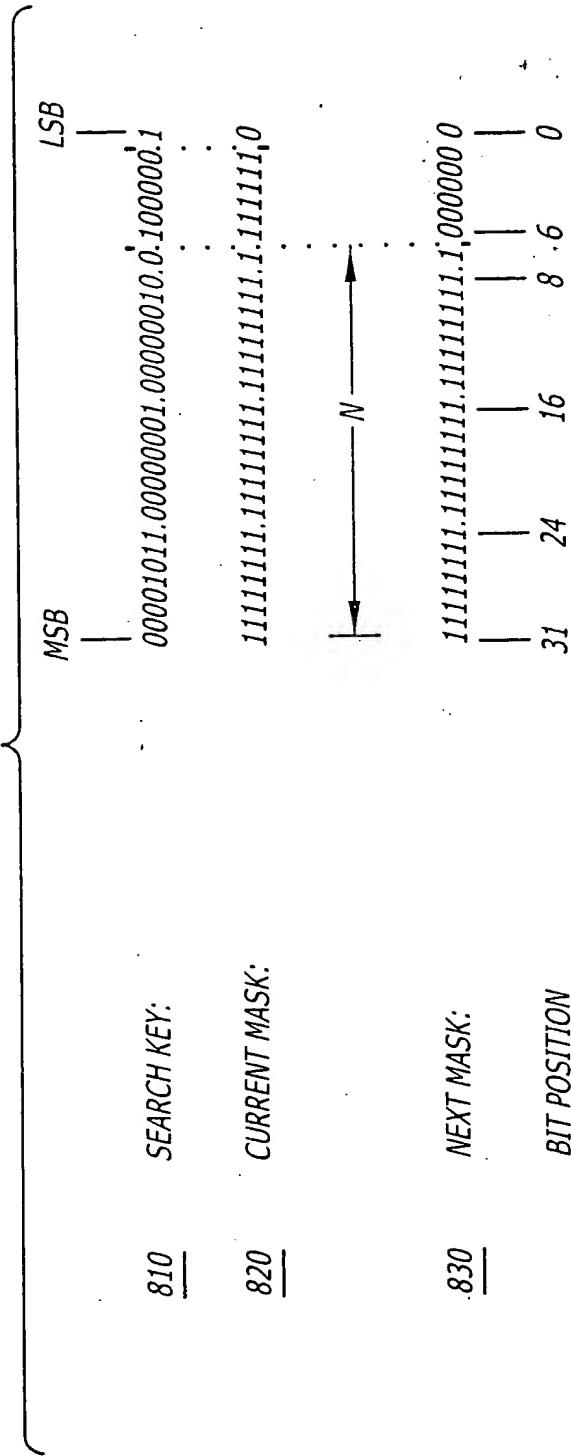


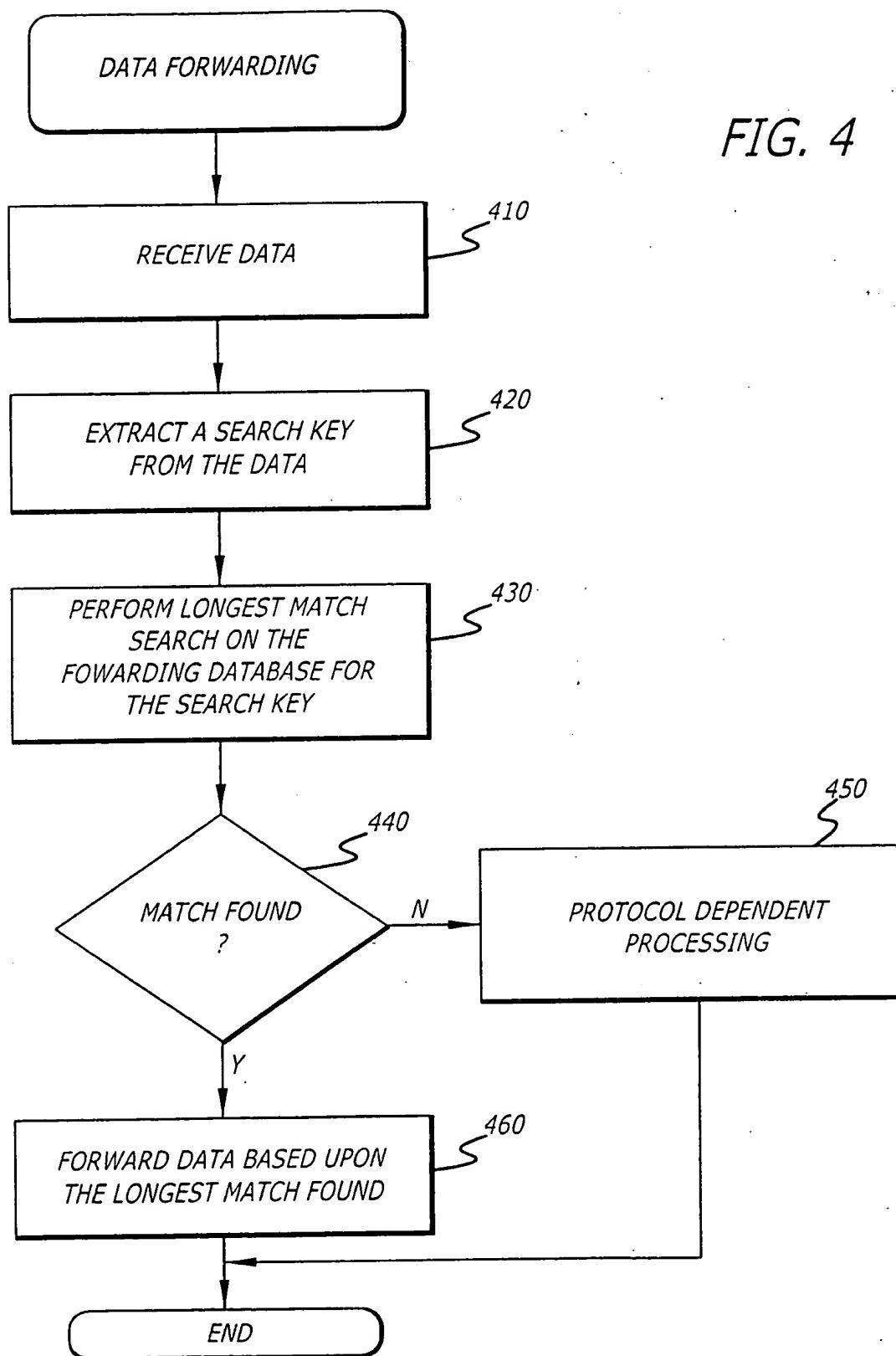
FIG. 2

FIG. 3

<u>310</u>	DESTINATION ADDRESS:	11.1.2.65	<u>00001011.00000001.00000010.01000001</u>
<u>320</u>	ROUTE #1	11.1.2.0/24	<u>00001011.00000001.00000010.00000000</u>
<u>330</u>	ROUTE #2	11.1.0.0/16	<u>00001011.00000001.00000000.00000000</u>
<u>340</u>	ROUTE #3	11.0.0.0/8	<u>00001011.00000000.00000000.00000000</u>

FIG. 8





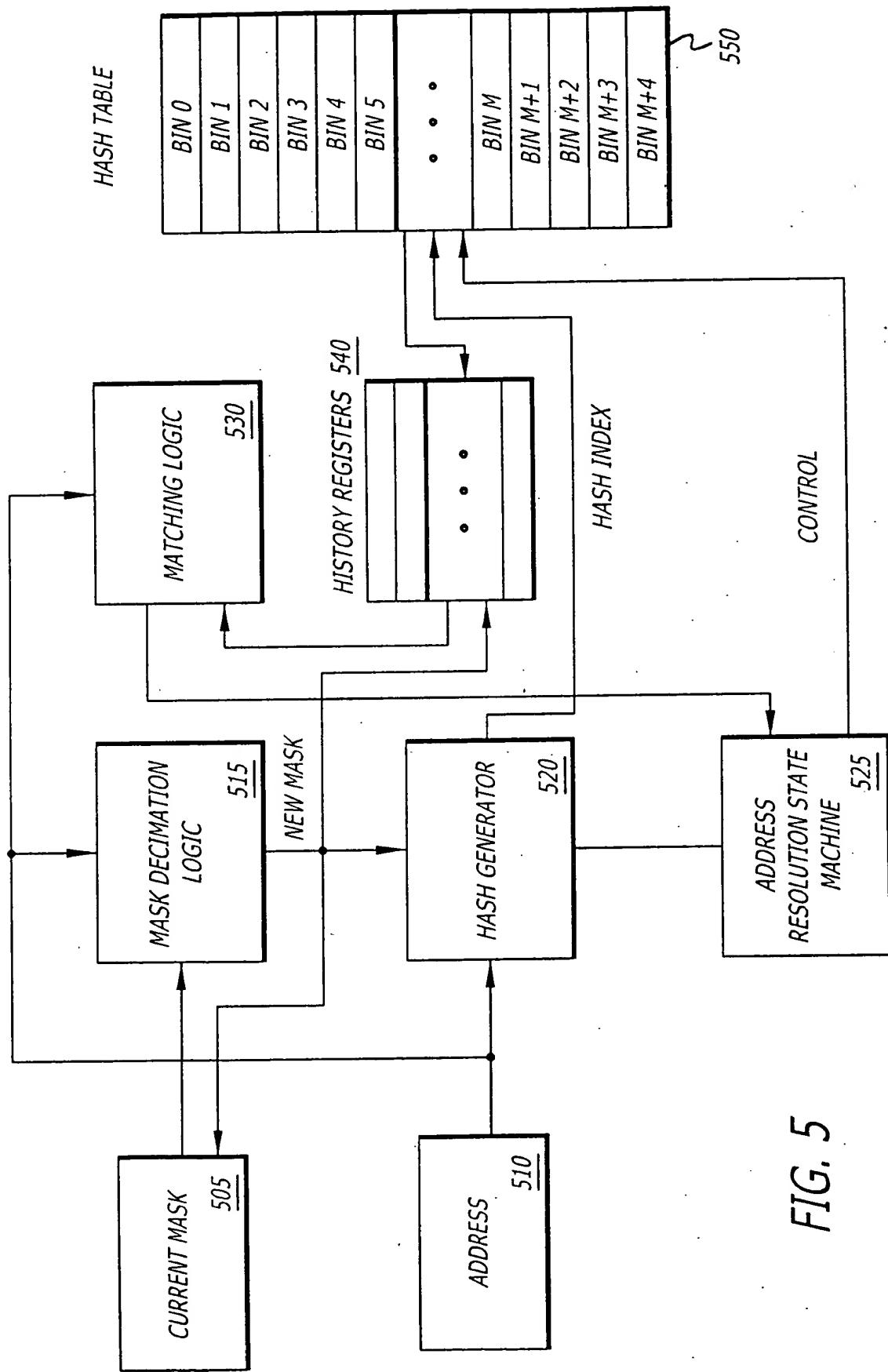
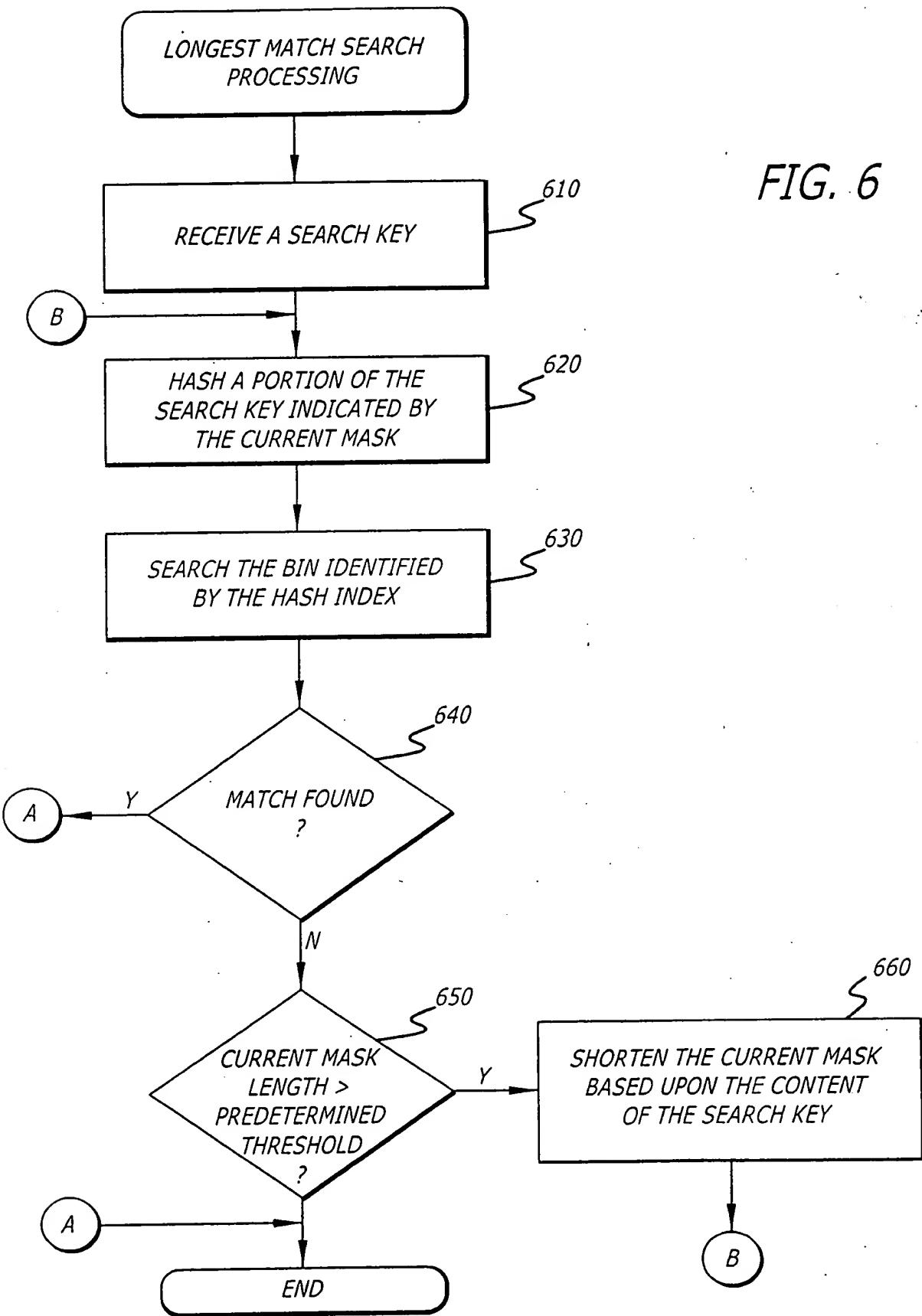
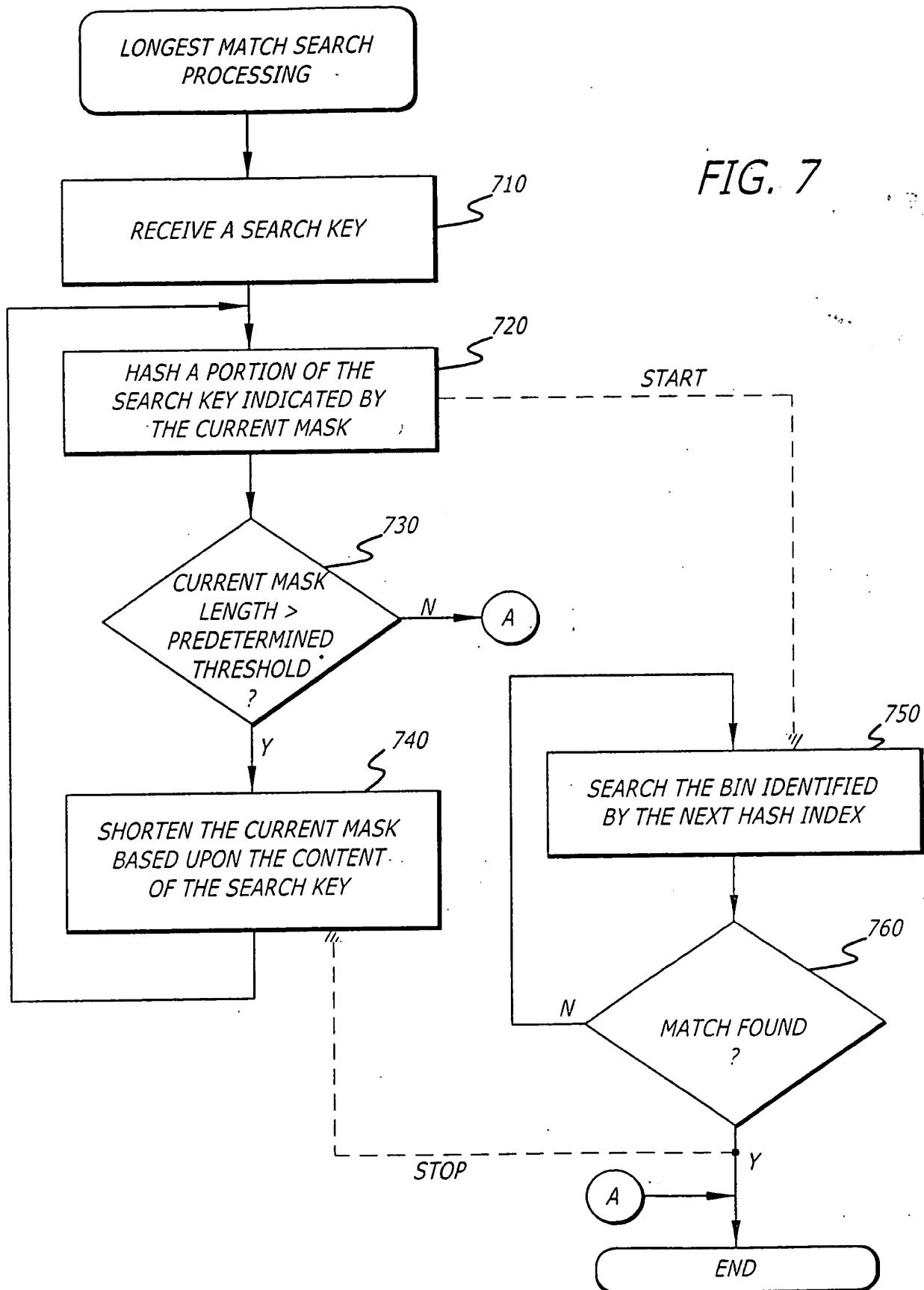


FIG. 5





BIT-WISE MASK DECIMATION

310

ADDRESS (HEX)	ITERATION	MASK (HEX)	MASKED ADDRESS (HEX)
0B 01 02 41	1	FF FF FF FF	0B 01 02 41
	2	FF FF FF FE	0B 01 02 40
	3	FF FF FF FC	0B 01 02 40
	4	FF FF FF F8	0B 01 02 40
	5	FF FF FF F0	0B 01 02 40
	6	FF FF FF E0	0B 01 02 40
	7	FF FF FF C0	0B 01 02 40
	8	FF FF FF 80	0B 01 02 00

MATCH

FIG. 9

ADDRESS-SENSITIVE MASK DECIMATION

310

ADDRESS (HEX)	ITERATION	MASK (HEX)	MASKED ADDRESS (HEX)
0B 01 02 41	1	FF FF FF FF	0B 01 02 41
	2	FF FF FF FE	0B 01 02 40
	3	FF FF FF 80	0B 01 02 00
	4	FF FF 00 00	0B 01 00 00
	5	FF 00 00 00	0B 00 00 00

MATCH

FIG. 10

ADDRESS	•••	MASK
00011000 00010000 00000000 10 00000000		11111111 11111111 11111111 00000000
00011000 00010000 00000000 00000000		11111111 11111111 00000000 00000000
•••		
00011000 00000000 00000000 00000000		11111111 00000000 00000000 00000000

FIG. 11A (Prior Art)

ADDRESS	•••	MASK LENGTH
00011000 00010000 00000010 00000000		11000
00011000 00010000 00000000 00000000		01000
•••		
00011000 00000000 00000000 00000000		00100

FIG. 11B (Prior Art)

ADDRESS + MASK INFORMATION	•••
00011000 00010000 00000010 10000000 0	
00011000 00010000 10000000 00000000 0	
•••	
00011000 10000000 00000000 00000000 0	

FIG. 11C